TARC

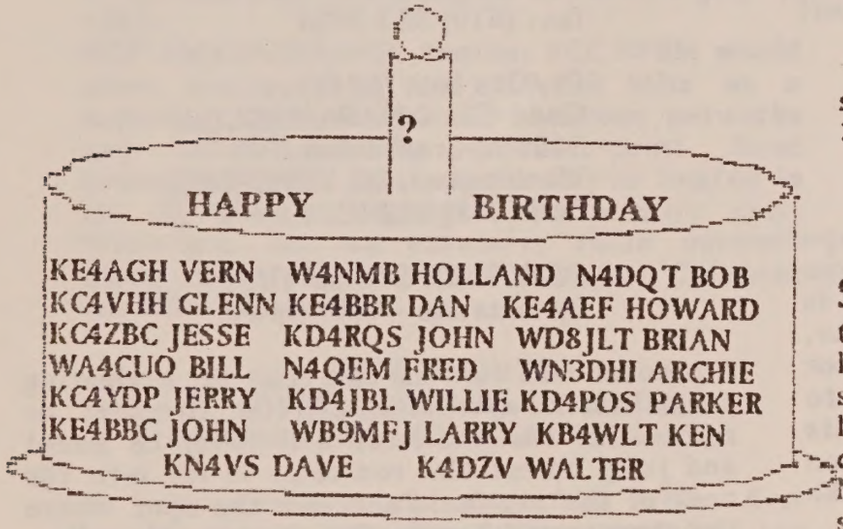
TITUSVILLE AMATEUR RADIO CLUB

JULY, 1993

NEWSLETTER

OFFICERS

President: Bud Hughes K4CWG 269-0779 Secretary: Jerry Russell KC4UFI 267-2157
VicePresident: Cliff Hoag KC4SYD 267-7030 Treasurer: Clyde Lee K4EOS 267-9375


?
HAPPY BIRTHDAY
KE4AGH VERN W4NMB HOLLAND N4DQT BOB
KC4VHH GLENN KE4BBR DAN KE4AEF HOWARD
KC4ZBC JESSE KD4RQS JOHN WD8JLT BRIAN
WA4CUO BILL N4QEM FRED WN3DHI ARCHIE
KC4YDP JERRY KD4JBL WILLIE KD4POS PARKER
KE4BBC JOHN WB9MFJ LARRY KB4WLT KEN
KN4VS DAVE K4DZV WALTER

PRESIDENT'S CORNER

By Bud Hughes K4CWG

From my vantage point this past month has been most rewarding. However, mixed in with the pleasantries we have a problem which must be addressed. Someone is bringing up the auto patch, dialing 911 as well as KSC Patrol, then without identifying or speaking to the 911 personnel, hanging up. As you know this triggers a response by the police department.

>PLEASE! If you have an emergency and use the auto patch to bring up 911, be sure and stay on the line and give the 911 personnel the required information, even if you dialed it by mistate.

>We supported the Jayces and their fireworks - thanks to Ozzie, N4SCY.

>It is with sadness we hear that our friend Al Turner, WD4HIH, has become a silent key. Our sympathy to the family.

>See you at our next club meeting. 73's

"POST FIELD DAY SYNDROME"

By George Bortle KD4CBV

Several days have past; the bi-carb has relieved the effects of the hot dogs and beans. (Just kidding, Cliff and Don). However, I am still suffering from a recurring echo in my head. It has been diagnosed as a strange, "Hertzian" disorder, known as "Post Field Day Syndrome." My symptoms include: a voice in my head that seems to be on an endless tape (you know, like the greeting message on a telephone answering machine). It comes at different times; in my sleep, driving down the road, and at the dinner table. Over, and over, and over again, "Alpha Fox-trot Four November, Four Alpha, South Florida!" When will it ever stop? If only another voice would reply!

>If anyone can suggest a cure, please call me on 97. My call sign is Alpha Fox-tro ....NO...WAIT....that's not my call. "OH MY, I've forgotten my own call sign!"

>The worst part of this syndrome is that it is addictive. Did you know that there are only 330 days left until Field Day, 1994? "Thanks, Wes." Really, we had a great time. Hope to see everyone there next year. Until then, 73's, and good luck in the contest. Oops, there it goes again.....

NEXT MEETING JULY 27 AT 7:30 PM AT JAYCEE BUILDING ON N. SINGLETON.

ICOM W2A CHARGE WARNING
By Nels Harvey WA9JOB (VMS News)

This is a warning to anyone with an Icom W2A dual band hand held radio, to not charge the battery with the radio attached, in a drop-in charger. The radio uses software on/off functions and the battery is always connected to the electronics of the radio.

>The problem is, if the battery reaches thermal cut-off in the charging cycle, an inductive spike can destroy the radio's regular and microprocessors (2). This happened to me, and the symptoms were simply, the radio didn't turn on!

>After $130, and two weeks, the radio come back from Icom, only to fail again a couple of weeks later. Icom fixed it again, for free, and admonished me to not use a drop-in charger with the radio connected.

>I'm passing this along to the group, in hopes of helping someone avoid a similar disaster! 73's

HIGH LATITUDE HF BEACON BEGINS OPERATION
By Bob Scott (VMS News)

A new HF beacon, callsign NAF, located at Cape Prince of Wales, Alaska (67N, 168W), began operation during mid-May 1993. The beacon is part of Project PENEX, which is short for Polar, Equatorial, and Near Vertical Incidence Skywave Experiment. The project's goal is to make calibrated field strength measurements as validation of HF propagation prediction programs like IONCAP, used to make predictions published in "QST".

>The Wales beacon transmits 4K and 8K sequence length, direct-sequence spread-spectrum signals. Transmitter power is 100 watts, and the system uses a three-band fan dipole antenna. The system's receivers, located in Fairbanks, AS, Seattle, WA, State College, PA, and San Diego, CA, use this 40 kHz wide signal for the field strength measurements. This modulation also provides for positive signal identification and some interference and noise rejection.

>NAF transmits narrowband CW and FSK signals on the same frequencies. You may copy these ID transmissions each hour at 00 and 01 minutes on 5604 kHz, 20 and 21 minutes on 11004 kHz, and 40 and 41 minutes on 16804 kHz.

>The project's sponsor is the Naval Security Group Command in Washington, DC. Participants include the Naval Command, Control, and Ocean Surveillance Center, San Diego, CA, the Naval Postgraduate School, Monterey, CA, the Applied Physics Lab at the University of Washington at Seattle, and the Applied Research Lab at Penn. State University.

>Amateur participants include KR4K, K3CXZ, KL7CYS, W6PUX, R6GKU, K6GDK, WB6SQA, KD6SC, KD4WFA, and WA3FET.

>A second, equatorial region, beacon will begin transmissions in Fall, 1993. The transmitter, located on the island of Rarotonga, South Cook Islands, will broadcast on low VHF frequencies as well as the same three HF frequencies.

>The project welcomes reception reports, which will be acknowledged by a colorful QSL card. You may address reception reports or requests for further information to:

Mr. Bob Rose (K6GKU)
Code 54
NRaD Division, NCCOSC
271 Catalina Blvd.
San Diego, CA 92152-5000
fax: (619) 553-3058

Dr. Gus Lott (KR4K)
Code GX, COMNAVSECGRU
3801 Nebraska Ave.NW
Washington, DC 20393-5452
fax: (202) 282-0329

PEACH RIPENESS TEST
By Suzanne - VMS News

A produce man told me this trick for evaluating peachiness: Regardless of the firmness or softness of the peach, it will never be sweet and juicy unless the red color is far into the neck of the peach. Peer into the spot where the stem would be. Is that area mostly yellow or yellow-green? That peach could sit on a sunny window ledge for a week and the most it'll do is rot or fossilize. It will never ripen in the sweet, juicy thing you want because it was picked before the maximum sugar content was reached.

ED.NOTE: Does anyone know how to pick a good watermelon or cantelope?

FCC MATTERS OF INTEREST
From ARRL June Membership Letter

CLUB CALLSIGNS: The FCC has agreed to allow outside agencies, such as the ARRL, to provide callsigns for club and military recreation stations. The callsigns would be from the NA-NZ prefix series, never before used. The details of when and where to apply have not been finalized. . . . . . (See Page 3)

Monitor W1AW or watch QST for late information. Not a part of this FCC action, but a possibility in the future, is that special callsigns for individuals will become available again. Hopefully, this program would be administered directly by the FCC, with an appropriate fee charged to cover costs.

NOVICE TESTING: Effective 1 July 1993, all Novice testing will be under the VEC program. General Class amateurs are eligible to become certified as VE's, and will be allowed to administer Technician as well as Novice exams. If you are interested in becoming a VE, you can contact the ARRL-VEC office at 1-800-927-7583.

MESSAGE CONTENT: The FCC has issued a Notice of Proposed Rule Making (NPRM) concerning control operator responsibility for content of messages passed through automated message forwarding systems. It proposes that the originator and first forwarding station be held responsible for message content. Comments must be filed on or before July 1, 1993.

NEW AMATEUR BAND: Another FCC NPRM would allow amateurs to use 219-220 MHz on a secondary basis for packet backbone networks and other amateur point-to-point fixed communications. Amateur use may be limited in the SE Division, because the primary user, Watercom, has an extensive radio network along the Atlantic & Gulf Coasts. Comment deadline is June 15.

BOY SCOUTS 36TH JAMBOREE-ON-THE-AIR

By R.Middelkopp PA3BAR - VMS News

In this circular please find the first announcement and the information for the largest annual event of the World Organization of the Scout Movement, the Jamboree-On-The-Air (JOTA). The JOTA will be held this year for the 36th time during the weekend of October 16 and 17, 1993.

>This packet-radio circular is an abbreviated version of the JOTA circular that has been sent to National JOTA Organizers (NJO's), containing only the information relevant to licensed (scout) radio-amateurs.

>What is the Jamboree-On-The-Air? The JOTA is an annual event in which about 425,000 Scouts and Guides all over the world speak to each other by means of amateur radio contacts. Scouting experiences are exchanged and ideas are shared, via the radio waves. The JOTA is a world-wide event. Units may operate for 48 hours or any part thereof, from Saturday 00.00 h until Sunday 24.00 h local time.

HOW TO TAKE PART:

a) visit an amateur radio station with your scout group or invite a radio amateur to install his station in your scout building.

b) call "CQ Jamboree" or answer scout stations calling to establish a contact.

c) all radio stations must strictly observe the national amateur radio regulations.

d) any authorized frequency may be used. It is recommended that stations use the agreed World Scout Frequencies close by to find each other.

e) all participating groups are asked to send a report of their activities to their National JOTA Organizer (NJO) after the event. World Scout Frequencies are:

BAND	QRG (IN mhZ)	BAND	QRC (IN MHz)
10 m	28.990	20 m	14.290
12 m	24.960	40 m	7.090
15 m	21.360	80 m	3.740
17 m	18.140		

STONER SUES CONDO ASSOCIATION OVER ANTENNA RESTRICTIONS

From Amateur Radio Newsline

National Amateur Radio Association President Donald Stoner, W6TNS has filed a major lawsuit against the owners association of his Clearwater, FL winter home. According to court documents, Stoner indicated that he had struck a deal with the previous owner of the penthouse condominium for him to negotiate rooftop antenna rights as a condition of purchase. Stoner says that his repeated requests to the owners were ignored by that group which said it would not talk about the issue until W6TNS became a property owner. Later, the same owners association went as far as to pass a retroactive rule barring all antennas from the property and to this day refuses to even talk with Stoner about the issue.

>"Originally the restriction was solely on television antennas. I couldn't care less about having a television antenna or dish, but I sure wanted a ham antenna. For two years they have been precluding me from having that and even have changed the rules retroactively to include ham antennas." stated Stoner.

>As a result, the national society leader has gone to court. He is seeking injunctive relief to install his amateur radio antenna system atop the high-rise building. He also wants punitive damages from the association and its individual board members. This looks to be a precedent setting case in that it challenges restrictive covenants that were enacted after an antenna installation request was mad by a ... (see p. 4)

ham. Newsline will keep you posted on the issue as it proceeds through the legal system.

NEW YORK CITY BANS TAXI HAMS

The New York City Taxi and Limousine Commission has acted to ban the city's taxi fleets from using Amateur Radio as a method of communications. The decision of the Commission bars the permanent installation of any type of two-way Amateur Radio transceiver or ham radio accessories in a New York City Medallion taxicab. It also prohibits taxi drivers from utilizing ham radio as a method of communications between their dispatchers and base locations.

>The action by the commission has the strong support of the city's amateur repeater owners, trustees and licensees. It also appears to be a direct response to a bid by a trio of New York City hackies who wanted to see every cab in the New York City area equipped with ham radio.

MORE ON THE HTX-202

By Fred, K4DII

I've been collecting "trivia" about the HTX-202, hoping to find some grand modification, but to no avail! Some think it is already as good as anyone wants. However, the following bits of information may be of interest:

1. It turns out that there are actually two versions of the HTX-202. The manual that came with the early one did not include the F-Light feature (turning on the light for an indefinite period), although the radio had the capability. The later manual did have the feature listed on page 15, at the bottom of the page.

>You can tell which version of the radio you have by checking the frequency that comes up when you reset the microprocessor. The older one resets to 144.-something. The newer one resets to 146.00 MHz.

2. The service manual indicates that peak [illegible]ld be set to 3.8 KHz. That is [illegible]ine was when it came from the [illegible], although average modulation was not [illegible]. I recommend that you either set peak deviation to 4.5 KHz, or set it to 5.0 KHz with CTCS turned on.

3. Some of the HTX-202's came with low modulation. The "word" was that you could correct this by adjusting the peak deviation control, RV1, located near crystal X1, on the RF PCB. However, some had other problems, and were still distorted when adjusted. I haven't heard what the actual cause of the problem was.

4. The manual indicates that the "Er1" error code is caused by an internal RAM error. When it occurs frequently, the internal Lithium battery is generally blamed. However, the Lithium battery may not be the only cause of the problem. According to Dave, AC4JXC, the "Er1" occurs frequently when using an external 12 volt power supply, and the radio is turned on and off by switching the power supply instead of using the radio's on/off switch. If this is true, it may be that the CPU does weird things when voltage is somewhere between the Lithium battery's voltage, and normal operating voltage, like writing garbage to RAM! An external power supply's voltage can rise and fall at a rather slow rate, which invites this problem.

5. Do some of the HTX-202's have trouble dialing through when their signal is weak and noisy? If so, it may be due to the lack of pre-emphasis on the DTMF tones. It may not turn out to be a problem, but this lack of pre-emphasis is the only genuine design flaw I'm aware of!

6. Some repeater autopatches have a problem with the HTX-202's carrier staying keyed after the last digit is dialed. This can be overcome by turning on the "Touch-tone Auto-reply", function Ar in the configuration menu.

7. The Radio Shack "Speaker-Mike" works with Icom and some Yaesu, as well as the HTX-202. Mine sounds at least as good as the HTX's built-in speaker, and cost less than the Icom speaker-mikes. However, I found that my old Icom speaker-mike doesn't work with the HTX. It seems that the resistor used in the Icom microphone is too high a value to key the HTX's push-to-talk. Icom uses something like 39K ohms, while the Radio Shack speaker-mike uses 2.2K ohms.

8. Although the HTX-202 appears to be Icom "Compatible", you may not be able to use an Icom interface cable with the HTX on packet. As mentioned above, the P-T-T resistor must be changed to a lower value to key the HTX-202. If you modify the cable, it should still work with Icom.

9. To get full power from the HTX-202, you must power it from an external 13.8 volt power supply. It turns out that some Icom battery packs are compatible, and are available in higher voltages. Although it runs up your investment in the radio, you could get the 13 volt Icom rapid charge battery, and the Icom BC-35 charger. This large battery allows nearly full power, and 1 or 2 hour recharge. I think the battery is the BP-7. Both the BP-7 and the BC-35 each cost about $85 at AES, for a total of $170.

10. I don't know how much Radio Shack charges for a replacement battery. If your old battery dies, you can get a refill. . . .(See Page 5)

Order an "HTX-202 Insert" for $15, 7.2 Volt 600 mAH, from:

E. H. Yost & Company
7344 Tetiva Road
Sauk City, Wisconsin 53583
Tel. 608-643-3194

Yost may also have the higher voltage battery packs.

11. There have been several reports of a "birdie" signal on 146.76 MHz. It appears to be caused by the 146.761345 MHz, 41st harmonic of the 3.579545 MHz crystal used as the CPU clock. This crystal is also used in the touchtone generator circuit. It would seem possible to pad capacitor C-1018 (20 pf), to move the harmonic off frequency. It wouldn't require much, and probably wouldn't upset either the CPU or the touchtone generator. However, there isn't much space for additional components near C-1018. Further, C-1018 is a chip capacitor that would be damaged if conventional solder were used near it.

BEYOND THE HAM BANDS
By George V. Bortle KD4CBV

Summer is here! Sun cycle is low, lightning activity is high, SW DX is really tough. Severe thunderstorms make summer outdoor activities somewhat hazardous. Lightning causes more fatalities in the United States each year than all other natural disasters combined. That goes for not only humans, but Diamond antennae as well! Stay abreast of the weather by listening to the National Oceanic and Atmospheric Administration's broadcasts. "NOAA Weather Station" transmits on 162.400 in Daytona, 162.550 in Melbourne, and 162.475 in Orlando. Other frequencies assigned to NOAA are 162.425, 162.450, 162.500 and 162.525 MHz. Although a scanner or a 2 meter rig can be used to monitor these frequencies, a weather alert radio is even better. This tone alert receiver can be activated by the weather service for a severe weather statement, when conditions warrant. Several models are available in the $20.00 to $40.00 price range.

>The other major weather threat for us, of course, is the Hurricane. Andrew broke the lull for many, when it slammed south Florida last year. Even the National Hurricane Center (M.P.H.) in Coral Gables was not immune to the damage from Andrew. The NHC gathers data by flying aircraft from Keesler Air Force Base into tropical storms and hurricanes. These "Hurricane Hunters" fly C-130 aircraft using the call sign "Gull ." A reserve squadron also from Keesler is known as Storm Trackers." They use the call sign "Teal ." NOAA P-3 aircraft fly these dangerous missions also. I have monitored "NOAA 42 and NOAA 43" giving reports to the NHC (KJY74). The National Hurricane Center operates on 3.407, 4.701, 5.562, 6.673, 8.876, 10.015, 13.354, 17.901 and 21.937 MHz. These HF frequencies are USB. VHF 123.050 AM and UHF 304.800 AM are also used. Flying into the eye of a storm with a "Hurricane Hunter" is always exciting, even if I don't leave my shack!

>When a storm strikes and power goes out, listen for Florida Power and Light to dispatch a repair crew on 158.250. The crews can be heard on 451.250 in Titusville. That is, if you have battery powered receiver.

>Next month get your life jacket on. We'll take to the water with the U.S. Coast Guard, and KC4UUX of the Florida Marine Patrol. 73's

REPEATER ABUSER 10000 POUNDS POORER
From VMS News

On Friday the 25th of June, at Worcester Crown Court, Robert George Hitchcock, G1MTT, was successfully prosecuted for offences connected with the transmitting of music, abuse and obscenities on a number of repeaters, particularly in the West Midlands. It was the activities of Hitchcock and others which resulted in GB3BM being time and sensitivity limited over the last few months. At the end of the week-long trial, Hitchcock was fined 3500 pounds, and was ordered to pay 6000 pounds costs. The case, which was brought by the Radio Investigation Service of the Radiocommunications Agency, stemmed from considerable work by the RSGB's Amateur Radio Observation Service working in conjunction with local repeater groups. Close cooperation between radio amateurs and the RIS over a long period has resulted in this conviction which, it is hoped, will clean up several repeaters. It is expected that the substantial fine and costs imposed on Hitchcock will act as deterrent to would-be abusers of their amateur radio licenses.

THE CLUB WILL MISS AL TURNER WD4HIH WHO RECENTLY BECAME A SILENT KEY. THE GOOD FOOD HE PROVIDED FOR US AT SEVERAL FIELD DAYS WAS DELICIOUS (REMEMBER THE STEW WITH BIG HOMEMADE BISCUITS?) 73'S AL!

TREASURER'S REPORT - YEAR TO DATE
By K4EOS, Clyde Lee

Transferred from old acct.	977.82
DEPOSITS: 50/50,ARRL,dues,donations dues,hamfests,interest, loan,stu.fees,Xmas pty.	4053.79
TOTAL INCOME	5031.61
EXPENSES: ARRL.bnk.chgs,Bud loan, gifts,Ins. Off.supp,POBox, postage,printing,stu.bks, tel, Xmaspty.,Exam.fees,fldday, hamfest,inc.fee,jc's,reptr.	3999.32
BALANCE AS AT 06/30/93	1032.29
Bud's loan bal.as at 12/31/92	2333.00
Paid through 6/30/93	921.50
BALANCE DUE BUD	1411.50

Dear Radio Amateur:

The following information was provided by the incoming QSL bureaus serving Amateur Radio call signs containing #4. These bureaus are operated by radio club volunteers, who mail all received foreign QSL cards addressed to you. This service is free, and available to non-members of ARRL. Processing these cards may take many months, but your cooperation can speed things up.

>To participate in this service you are required to provide clasp type, end opening, self-addressed envelopes bearing (1) postage stamp, and placing your call and the bureau return address in the upper left portion of the envelope. The envelope size can be between 5x7-1/2 to 6x9. A few such envelopes should be kept on file at the bureau to avoid QSL delays. Notice will be given when your last envelope is being used. Cards will be mailed to you when their weight equals the postage amount. Normally, 7 cards per ounce.

>Do not send money for stamp or envelope purchases. They do not sell either. Send the bureau any changes of address. Envelopes must be on file for 6 years after a change of call sign.

>Some have had difficulty obtaining these envelopes. We have a small quantity on hand for sale at cost. Telephone us at (407) 632-6809 to arrange for a pickup at next TARC meeting.

73 Jim Creevay, W4UYZ

TWO LETTER PREFIX '4' CALLS
Sterling Park QSL Bureau
Call Box 599
Sterling, VA 22170

ONE LETTER PREFIX '4' CALLS:
Mecklenburg ARS QSL Bureau
P. O. Box DX
Charlotte NC 28220

AMATEUR RADIO DX BLUE BOOK
"In the shadow of America's Spaceport"
J/C ENTERPRISES
4920 Mayflower St., Cocoa, FL 32927
Telephone (407) 632-6809

FIELD DAY 1993
By George Bortle KD4CBV

It was Friday night, I knew field day was close at hand, when I saw Bud (K4CWG) at the Fina Station filling gas cans for the generator. The real give-away, was the tower sections on his trailer.

>Saturday morning: and 97 was jumping with activity. Club members were coordinating which donut shop to stop at, on their Mecca.

By the time I arrived at Sand Point Park, site of this year's field day, work was well under way. Cliff (KC4SYD) and the other early birds were in the process of setting up signs, radios, and tarps around the two pavilions. Wes (AF4N), Jerry (KC4YDP) and a team of lumber jacks were erecting the verticals. Our own William Tell, Jack (KD4VFU) used his trusty bow and arrow to get the dipoles up to their supports. All of this was under the watchful eye of Les (K4SJC). Coffee (W0LRC) and Lloyd (KA4LTK). Pike (W4EPU) was in awe of the spectacle, and he's been to 1 or 2 field days! Dave (AC4JX) monitored the repeaters and provided talk-in for those needing directions. Health and Welfare traffic was even provided on 97 for Paul (KD4LXG). It seems that Paul was flying his ultra light near the Scottsmoor International Airport when a carburetor malfunction caused his engine to quit. The gravity component of the equation took over, and Paul found himself back on the "Terra-not-so-firma." He landed in the marsh grass between Mosquito Lagoon and the railroad tracks. After a mile hike through the snake infested swamp, he got to his radio and rounded up help to recover his aircraft. Luckily Paul came out unscathed and only minor damage to the landing gear.

>Back to Sand Point, the clock was counting down and work continued. Mitch (AC4WM) was fine tuning his generator to provide power for all the equipment, and extra points. Jerry (KC4UFI) gave a last minute briefing on logging the contacts and radio procedure. Wes (AF4N) [this call will become all too familiar real

soon], explained how attached he was to his call, and would like to keep it. "Please don't work out-of-bank." The club will not get extra points for working "Crystal Palace" on a NORAD channel!

>Thanks to Ozzie (N4SCY), we received 200 bonus points for packet and press releases. My phone call to the TV stations paid off. Dave Erickson and Camerman Joe Carroll of Channel 6 (WCPX-TV) stopped by to video the event and interview our president. If Bud didn't dazzle them, he certainly baffled them.

>Wynn (WB4ZUY), and Terry (WB4ZUZ) set up their lean-to near the water, and used a palm tree to help support their monster 2-meter beam. But the band was dead. No SSB today. Then Wynn made a bounce trip to Radio Shack for a new piece of coax, and wa-la. Amazing what a good chunk of feed line will do for reception. Not to mention "getting out."

T-O -- 18:00 Z -- We're off and CQing. WOW!! Talk about a pile-up. I never had this problem on 70cm. The antennae were smokin'! Hard at work were Warren (KD4RQT), Ralph (KE4AGL), Dave (N4WWG), Ken (KD4HNW), Alan (KC4UUX), and of course Jerry (KC4YDP). The Young Doctor Pepper never stopped pounding that key! Not even for dinner. I don't know how he could pass up the hot dogs and beans cooked by those gourmet chefs: Cliff, Don and Jack. Hats off to Jerry for racking up over 300 points himself! Dave (WB4SIG instructed the youngest member of the club, Derek (KE4BBD) [just happens to be his 1st harmonic], in the "Hamley art of DX'ing." Diane (KA4WHP) [SIG's XYL] stopped by with Daniel and Devin (2nd and 3rd harmonics).

>Tom (KQ4OY) set up one of his famous Quads. His XYL, Toyia (KE4BBG) brought their darling pair and 3rd harmonic along. Training them young!

>The dark clouds built all around us, the wind picked up, and the rain came. "You can't have field day without a baptism," so it says in the book. We lucked out, only light rain, no lightning or tornadoes. We never had to shut down.

>Cindy (KE4BBL) and I gave 20 meters a try. Just when we would almost pull one out, someone in the #@*$% RV would fire up CW on 17 and wipe us out. Oh well, we still managed to fill a few pages. If only I had one of those fancy computers like YDP, I wouldn't have so may people calling me a "DUP"!

>We took a break to say hello to Carol (KC4VIN), Jose (KC4VIO), Jose Jr. (KD4RVB, Cy (WA4HSY) and many other new friends. Then off to the motor home to catch some zzz's. After a night full of AF4N's", we awoke to a beautiful sunrise and another hot day. Can you believe, YDP is still pounding away?

>As the sun rose higher, and the hours ticked away, the bands changed and the operators grew frantic. A few more contacts and it was all over for another year.

>Then, in a matter of 20 minutes, the antenna farm was dismantled, coax rolled, and the pavilions cleaned up. It was as if the TARC had never been there.

>"Thanks" to everyone who participated, especially Vince (KK4SH) for being chairman. If you couldn't make it, you missed a real good time. As Bud says, "It's not so much the points, but the fun and the great bunch of friends."

>'Til next year. 73's, and "Good luck in the contest"!

Betcha didn't know

. . .it is as wrong to trust everybody as it is to trust nobody.

. . .the more responisbility on your shoulders the less room for chips.

. . .chewing gum proves you can have motion without progress.

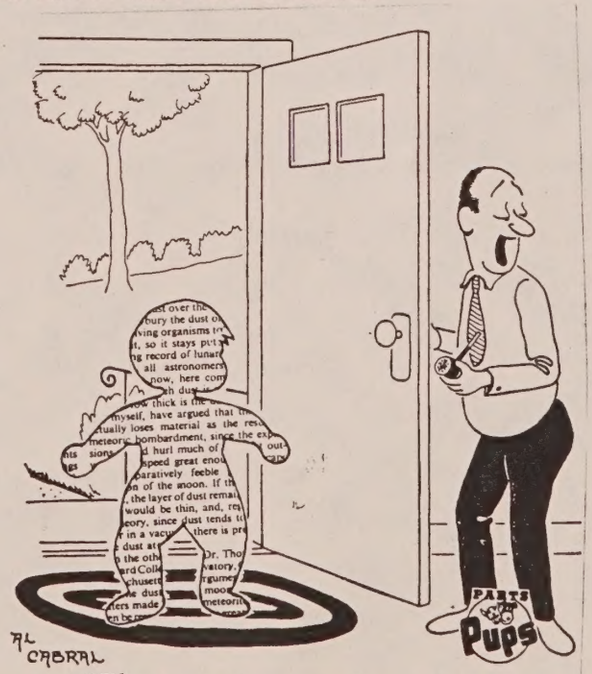
. . .when you start throwing dirt, you're really losing ground.

. . .some folks are about as organized as a plate of spaghetti.

. . .old-fashioned is what you will be, if you live long enough.

"Do you have any money in the bank?" "Certainly." "How much?" "I don't know. I haven't shaken it lately."

At one time, everybody thought the world was flat. Then, they decided it was round. Today, we all know that it's crooked.



"Florence, the paper boy is here."

MEMBERSHIP UPDATE

Total Membership: 224 (includes 38 family members & 7 honorary)

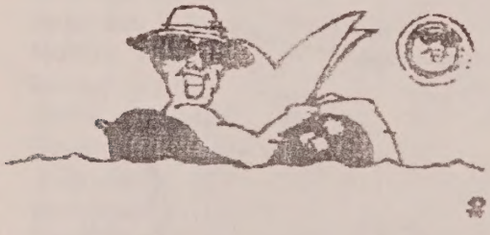
New Members: W1BSO Maynard Cheney
KE4AEC Craig & KE4BBF Eugenia Mosier
KD4URS Anthony Lapenta
K4DZV Walter Fanton
N4LEM Ray Kassis
KD4PMB Charlie Eaton

Renewals: KD4CRD George Griffin
KE4BBC Toyia Nguyen
KD4CRD George Griffin
AC4JXDave Creasman
W9LSD Dick Duel
KD4RQT Warren Murray
WB4SIG Dave McLean
KA4WHP Diane McLean
KA4BBD Derek McLean
W4TLS Ed Reinerd
KC4WGU Mike Hensley
KD4LXG Paul Wynn
W4GMW Neale Cranston

UPCOMING HAMFESTS

7/31-1	Jacksonville	Prime Osborn Con.Ctr. S.Lee & W.Bay Sts. Talk-in on 146.76
9/11-12	Melbourne	Melbourne Auditorium 625 Hibiscus Blvd. Talk-in on 146.85
9/26	N.Pt.Richey	New Pt.Richey Rec.Centr. 6630 Van Buren. Talk-in on 145.350 or 147.150
10/9	Titusville	FREE - Sand Point Pavilion Rt.406 E. of US1. Ex.80 off I-95. Talk-in on 146.910
10/16	Starke	Bradford Co.Fairgrnds. US301&SR100 Talk-in on 145.150
10/23-24	W.Palm Bh.	Expo Ctr., S.Fla Fairgrnds. SR80 east of US441 Talk-in on 147.165
10/29-30	St.Pete	QCWA Nat'l Conv.atS.Pete Clrwtr.AP Hol.Inn. Talk-in on 145.290
11/06	Eustis	Lake Co.Fairgrnds Talk-in on147.255&442.900
11/20-21	Tampa	Expo Hall,FL St.Fairgrnds Talk-in on 146.940
12/4	Okeechobee	Agricul.Ctr.Bldg. on US441 Talk-in on 147.195

TITUSVILLE AMATEUR RADIO CLUB
P.O.BOX 73
TITUSVILLE FL 32781



STAY COOL!